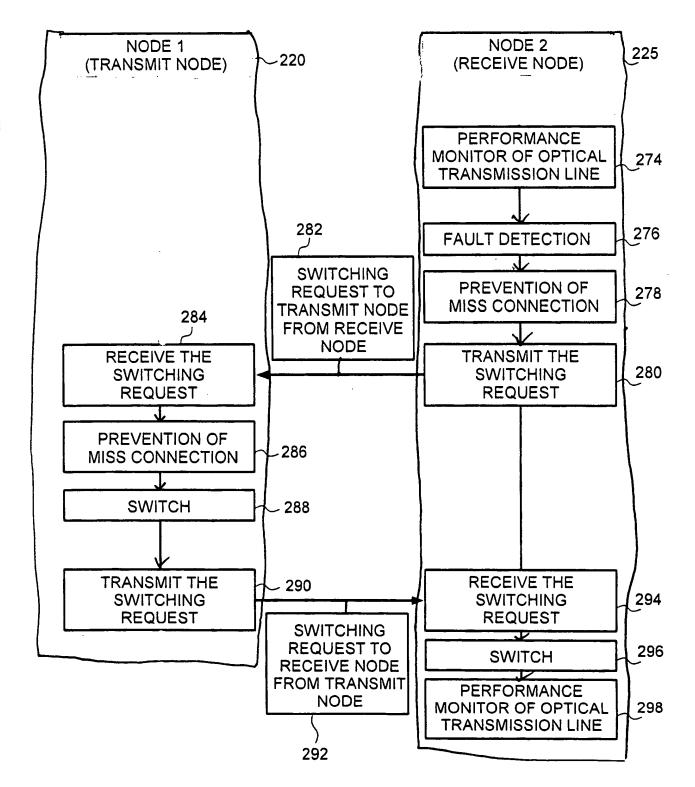


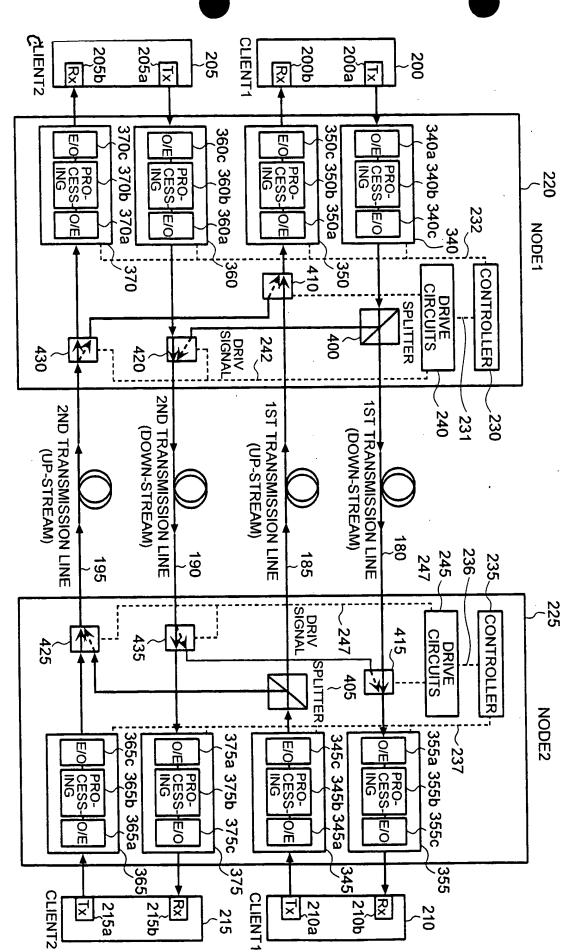
FIG.2



## =1G.4

<del></del>	· 	<del>.</del>	(0)		
SWITCHING REQUEST TO TRANSMIT NODE (NODE1) FROM RECEIVE NODE (NODE2) (282) SWITCHING REQUEST TO RECEIVE NODE (NODE2) FROM TRANSMIT NODE (NODE1) (292)					
SECOND	FIRST	SECOND	FIRST		ALIBUIAG
1ST TRANSMISSION LINE (DOWN-STREAM) 180	2ND TRANSMISSION LINE (DOWN-STREAM) 190	1ST TRANSMISSION LINE (UP-STREAM) 185	2ND TRANSMISSION LINE (UP-STREAM) 195		TRANSMISSION I INF
LINE INPUT DEVICE 360	LINE INPUT DEVICE 340	LINE OUTPUT DEVICE 350	LINE OUTPUT DEVICE 370	NODE1	CONTROL SIGNAL COMN EQUIPMENT
LINE OUTPUT DEVICE 355	LINE OUTPUT DEVICE 375	LINE INPUT DEVICE 345	LINE INPUT DEVICE 365	NODE2	SIGNAL COMMUNICATION EQUIPMENT

SWITCH	AFTER SWITCHIN		NORMA	
SWITCHING PERFORMANCE MONITOR	TRANSMITTER	STATE PERFORMANCE MONITOR	TRANSMITTER	
LINE OUTPUT DEVICE 375	LINE INPUT DEVICE 360	LINE OUTPUT DEVICE 355	LINE INPUT DEVICE 340	1ST TRANSMISSION LINE (DOWN- STREAM) 180
LINE OUTPUT DEVICE 370	LINE INPUT DEVICE 365	LINE OUTPUT DEVICE 350	LINE INPUT DEVICE 345	1ST TRANSMISSION LINE (UP-STREAM) 185
LINE OUTPUT DEVICE 355	LINE INPUT DEVICE 340	LINE OUTPUT DEVICE 375	DEVICE 360	2ND TRANSMISSION LINE (DOWN- STREAM) 190
DEVICE 350	DEVICE 345	DEVICE 370	DEVICE 365	1ST TRANSMISSION 1ST TRANSMISSION 2ND 2ND TRANSMISSION 2ND 2ND TRANSMISSION 2ND 2ND 2ND 2ND 2ND 2ND 2ND 2ND 2ND 2N



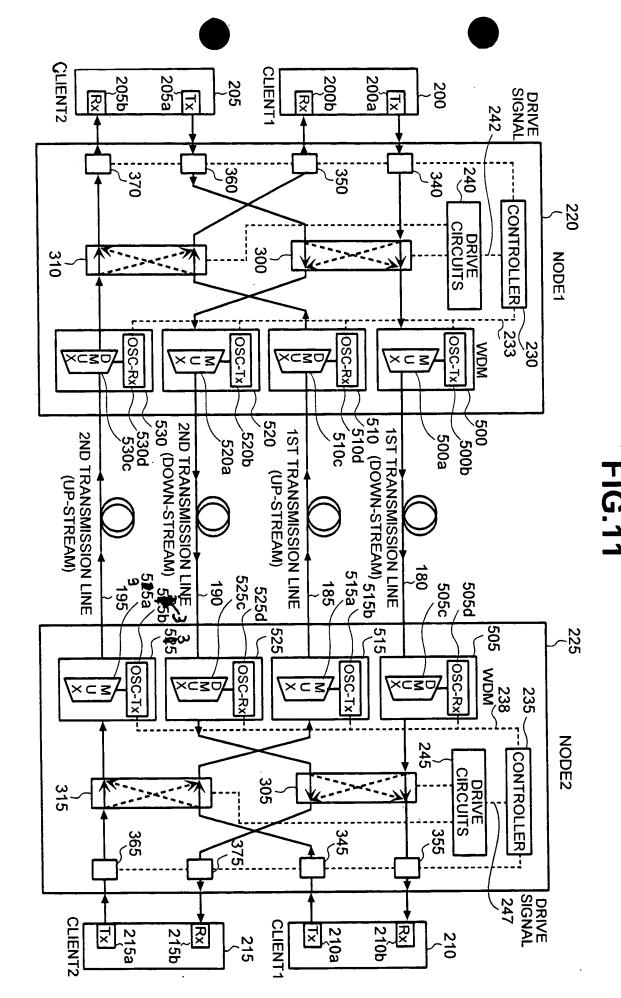
(NODE2) FROM TRANSMIT NODE (NODE1) (292)	SWITCHING REQUEST TO RECEIVE NODE	(NODE1) FROM RECEIVE NODE (NODE2) (282)	SWITCHING REQUEST TO TRANSMIT NODE			
NODE 292)	EQUEST NODE	IODE 282)	EQUEST   NODE			
SECOND	FIRST	SECOND	FIRST		ALIGUIGA	
1ST TRANSMISSION LINE (DOWN-STREAM) 180	2ND TRANSMISSION LINE (DOWN-STREAM) 190	1ST TRANSMISSION LINE (UP-STREAM) 185	2ND TRANSMISSION LINE (UP-STREAM) 195		TRANSMISSION I INF	
LINE INPUT DEVICE 340	LINE INPUT DEVICE 340	DEVICE 350	LINE OUTPUT DEVICE 370	NODE1	CONTROL SIGNAL COMMUNICATION EQUIPMENT	
LINE OUTPUT DEVICE 355	LINE OUTPUT DEVICE 375	LINE INPUT DEVICE 345	LINE INPUT DEVICE 365	NODE2	COMMUNICATION MENT	

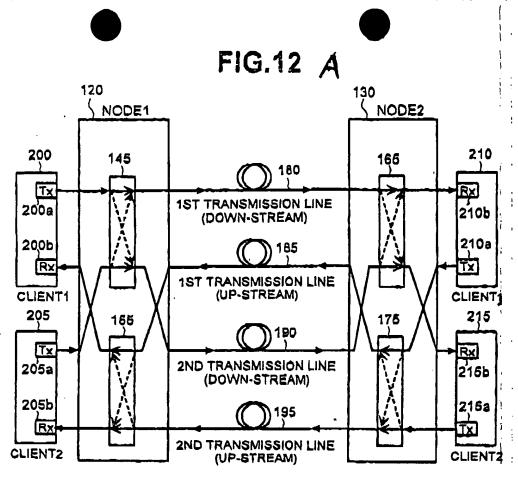
AFTER SWITCHING		STATE	NORMAL	
PERFORMANCE MONITOR	TRANSMITTER	PERFORMANCE MONITOR	TRANSMITTER	
NONE	LINE INPUT DEVICE 340	LINE OUTPUT DEVICE 355	LINE INPUT DEVICE 340	1ST TRANSMISSION LINE (DOWN- STREAM) 180
NONE	LINE INPUT DEVICE 345	LINE OUTPUT DEVICE 350	LINE INPUT DEVICE 345	1ST TRANSMISSION 1ST TRANSMISSION 2ND TRANSMISSION LINE (DOWN-STREAM) 180 185 STREAM) 190
LINE OUTPUT DEVICE 355	LINE INPUT DEVICE 340	LINE OUTPUT DEVICE 375	LINE INPUT DEVICE 360	2ND TRANSMISSION LINE (DOWN- STREAM) 190
LINE OUTPUT DEVICE 350	LINE INPUT DEVICE 345	LINE OUTPUT DEVICE 370	DEVICE 365	2ND TRANSMISSION LINE (UP-STREAM) 195

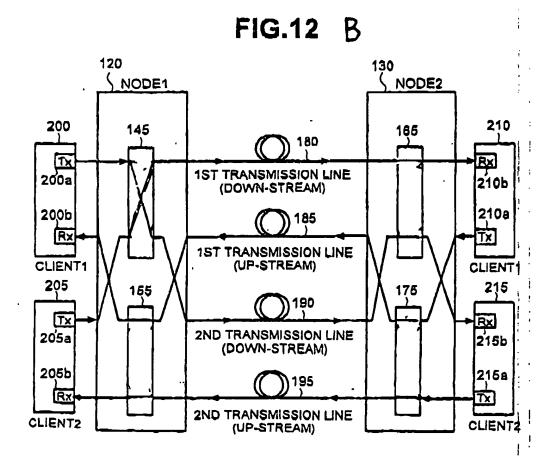
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AFTER SWITCHING		STATE	AW GOIN	
SWITCHING PERFORMANCE MONITOR	TRANSMITTER	PERFORMANCE MONITOR	TRANSMITTER	
LINE OUTPUT DEVICE 375	LINE INPUT DEVICE 340	LINE OUTPUT DEVICE 355	LINE INPUT DEVICE 340	1ST TRANSMISSION LINE (DOWN- STREAM) 180
LINE OUTPUT DEVICE 370	LINE INPUT DEVICE 345	LINE OUTPUT DEVICE 350	LINE INPUT DEVICE 345	1ST TRANSMISSION 1ST TRANSMISSION 2N LINE (DOWN-LINE (UP-STREAM) STREAM) 180 185
DEVICE 355	DEVICE 340	DEVICE 375	DEVICE 360	2ND TRANSMISSION LINE (DOWN- STREAM) 190
DEVICE 350	DEVICE 345	DEVICE 370	DEVICE 365	ID TRANSMISSION 2ND TRANSMISSION LINE (DOWN- STREAM) 190 195







**FIG.13** 

No store						
RECEIVER						
TRANSMITTER	NOR MAL	AFTER SWITCHING OF TRANSMITTING NODE	AFTER SWITCHING OF BOTH NODES			
200a CLIENT1	210b	215b (MISS- (CONNECTION)	210b			
205a CLIENT2	215b	210b MISS- (CONNECTION)	215b			